International Standard

ISO 13909-1

Third edition
2025-07

Coal and coke — Mechanical sampling —

Part 1: General introduction

Charbon et coke — Échantillonnage mécanique —

Partie 1: Introduction générale

Reference number
ISO 13909-1:2025(en)

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Published in Switzerland

Contents

Page

Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Structure **5**
5 General principles of sampling **5**
6 Choice of sampling procedure **6**
7 Integrated sampling systems **6**
8 Packing and marking of samples **7**
9 Sampling report **7**
Bibliography **8**

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Foreword

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This document was prepared by Technical Committee ISO/TC 27, *Coal and coke*, Subcommittee SC 4, *Sampling*.

This third edition cancels and replaces the second edition (ISO 13909-1:2016), which has been technically revised.

The main changes are as follows:

— the title has been changed to coal and coke and aligned with the rest of the ISO 13909 series;

— the scope has been modified to specifically include sampling of brown coals and lignites.

A list of all parts in the ISO 13909 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Coal and coke — Mechanical sampling —

Part 1: General introduction

1 Scope

This document defines the basic terms used in the sampling of coal and coke, describes the general principles of sampling and details the information to be provided in the documentation and the sampling report. It also lists the other parts of the ISO 13909 series and gives guidance on the selection of the appropriate part.

The ISO 13909 series also includes sampling of brown coals and lignites.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
air-drying
process of bringing the moisture content of the *sample* (3.31) near to equilibrium with the atmosphere in the area in which further reduction and division of the sample are to take place

Note 1 to entry: Air-drying to equilibrium with the atmosphere applies to coal. Drying of coke is generally to facilitate *sample preparation* (3.34).

3.2
bias
systematic *error* (3.10) which leads to the average value of a series of results being persistently higher or persistently lower than those which are obtained using a reference sampling method

3.3
coefficient of variation
standard deviation (3.37) expressed as a percentage of the absolute value of the arithmetic mean

3.4
common sample
sample (3.31) collected for more than one intended use

3.5
continuous sampling
taking of a *sample* (3.31) from each consecutive *sub-lot* (3.39) so that increments are taken at uniform intervals whenever the fuel is handled at the point of sampling

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